

Nuclear Opportunities...



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INL Internships

Considering a nuclear energy-related career? The Idaho National Laboratory maintains a full spectrum of research, development and testing activities in areas as diverse as nuclear power systems, low-energy nuclear physics, system safety analysis and neutron capture therapy.

As the nation's leading center of nuclear energy research and development, the INL is addressing national nuclear research priorities with the following programs.

Generation IV Nuclear Energy Systems (Gen IV)
Six reactor designs for next-generation nuclear power

technologies raise the performance bar by attempting to couple power generation with hydrogen production, developing innovative fuel systems, achieving very high thermal efficiencies, and incorporate nearly 100 percent passive safety systems.

Advanced Fuel Cycle – This program is focused on the development of new technologies that provide timely resolution of issues related to spent nuclear fuel disposition.

Fusion Safety – This program characterizes and assesses the safety and environmental issues associated with magnetic and inertial fusion. Currently,

the program involves tritium permeation, molten salt mobilization and dust mobilization. Future activities include participation in the International Thermonuclear Experimental Reactor.

The INL is one of the Department of Energy's nine multi-program national laboratories and performs work in all four DOE business lines – energy resources, national security, environmental quality and science.

Internship Programs

The internship programs provide opportunities for undergraduate and graduate students to experience an R&D

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The Energy of Innovation



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environment at a world-class national lab. Internship participants must be U.S. citizens or be a Lawful Permanent Resident.

Requirements for student internship programs include:

- Full-time enrollment at an accredited college or university
- Minimum cumulative GPA of 3.0
- All awards are contingent upon INL security access approval.

Foreign National students are eligible for internships if they are attending an accredited U.S. university or college and have a Curricular Practical Training (CPT) authorization from the university which holds the student's current visa. Students must meet the 3.0 cumulative GPA and full-time student status of the INL internship program.

More information on the INL can be found at <http://nuclear.inl.gov>

Graduate Internship

Graduate internships offer full-

or part-time research experience at the INL or on the campus of a college or university. Full-time internship salaries at the INL begin at \$15/hour for those pursuing a master's degree and \$17.50/hour for those pursuing a doctorate. Salaries vary according to the university standard if located at the university. Internships are renewable for up to three years. Requirements include acceptance into a master's and/or doctoral program at an accredited college or university.

Undergraduate Internships

The undergraduate summer internship program offers 10 to 16 weeks of full-time summer research experience at the INL with an INL mentor or on a college or university campus under the supervision of a faculty researcher during the academic semester. Salaries start at \$10/hour based on the completed grade level and if located at the INL. Academic semester internships offer a 15-week minimum, research experience at the INL, or at the student's college or university. Recipients must have completed their freshman year at the time of the internship.

Selection and Award

Applications will be reviewed in February and selections are based on student's interests and compatibility with projects. Students who live greater than 50 mile radius from Idaho Falls will also receive a housing allowance not to exceed \$100/week and round-trip travel between the student's institution or residence and Idaho Falls, Idaho based on Federal Travel Regulations (FTR).

Application Procedure

To apply, complete the online application located at <http://www.inl.gov/education/nuclear>. The application requires two letters of recommendation and transcripts.

Postdoctoral Internship Program

The Postdoctoral Internship Program offers appointments at the INL in the recipient's area of research expertise. Appointments are renewable, based on performance and available funding, for up to three years. Salaries range from \$5,000 to \$7,250 monthly, depending on experience.

The International Research Associate Program was created so that faculty, scientists and researchers who are not citizens or permanent residents of the United States can come to the INL and collaborate with employees under any of the programs described in this fact sheet.

INL postdoctoral interns are given faculty status by Washington State University (WSU), under contract with INL to administer this program.

Visit our Postdoctoral Internship Programs website at: <https://www.inl.apsp.wsu.edu>.

For more information

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Under the guidance of an INL scientist, students prepare and give presentations and study exciting programs.